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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/752,642	12/29/2000	Peter Lynton Flake	PA1447US	1487
36503	7590 06/03/2005		EXAM	INER
SYNOPSYS, INC.			HARTMAN JR, RONALD D	
c/o A. RICHARD PARK, REG. NO. 41241 PARK, VAUGHAN & FLEMING LLP			ART UNIT	PAPER NUMBER
2820 FIFTH STREET			2121	
DAVIS, CA 95616-2419			DATE MAILED: 06/03/200	S

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Andrew O	09/752,642	FLAKE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Ronald D. Hartman Jr.	2121				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with t	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply oly within the statutory minimum of thirty (3 will apply and will expire SIX (6) MONTHS e, cause the application to become ABANI	be timely filed 0) days will be considered timely. 6 from the mailing date of this communication. DONED (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on 14 M	<u>March 2005</u> .					
2a) This action is FINAL . 2b) ⊠ Thi	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowa	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ⊠ Claim(s) 26,27,29,30,32-35,37,38,40-43,45,4 4a) Of the above claim(s) is/are withdra 5) ⊠ Claim(s) 34-35,37-38,40-43,45-46,48-49 is/are 6) ⊠ Claim(s) 26,27,29,30,32 and 33 is/are rejecte 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	awn from consideration. re allowed. d.	the application.				
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E		•				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list	nts have been received. Its have been received in Application of the control of t	lication No ceived in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
Notice of Draftsperson's Patent Drawing Review (P10-948) Information Disclosure Statement(s) (PT0-1449 or PT0/SB/08 Paper No(s)/Mail Date		mal Patent Application (PTO-152)				

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DETAILED ACTION

1. Claims 26-27, 29-30, 32-35, 37-38, 40-43, 45-46 and 48-49 are presented for further examination.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 26-27, 29-30 and 32-33 are rejected under 35 U.S.C. 101 since the claimed invention is directed to non-statutory subject matter.

As per claim 26, the method claimed is descriptive of software per se, and therefore is not tangible, a requirement under 35 U.S.C. 101. The applicants attention is directed toward pending claim 34 which satisfies the tangibility requirement by embodying the software performed functions onto a computer readable medium, wherein a computer executes the software to perform the method claimed. The applicant is advised to amend claim 26 into a claim similar in nature to claim 34 in order to overcome this outstanding 101 rejection.

Allowable Subject Matter

3. Claims 34-35, 37-38, 40-43, 45-46 and 48-49 are allowed.

As per claims 34 and 42, the prior art of record fails to teach a mixed language simulation for simulating the operation of a digital circuit, wherein a wrapper is automatically created, wherein the wrapper facilitates automatic threading, whereby the automatic threading enables the complied application code to call tasks in the hardware description language, in combination with the other claimed features and or limitations.

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It is also noted that the claimed hardware description language and the claimed computer programming language were interpreted to be different languages, as per the applicant's specification.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronald D Hartman Jr. whose telephone number is (571) 272 - 3684. The examiner can normally be reached on Mon. - Fri., 10:30 am -8:00 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached at (571) 272 - 3687. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ronald D Hartman Jr.

Patent Examiner

Art Unit 2121

Anthony Knight Supervisory Patent Examiner

Group 3600